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0408

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**RAW SEQUENCE LISTING**  
PATENT APPLICATION: US/10/041,775

DATE: 04/08/2002  
TIME: 09:37:41

Input Set : A:\PTO.VSK.txt  
Output Set: N:\CRF3\04082002\J041775.raw

**ENTERED**

3 <110> APPLICANT: BROWN, Eric L.  
 4 LEE, Lawrence  
 5 HOOK, Magnus  
 7 <120> TITLE OF INVENTION: METHOD OF PREVENTING T CELL-MEDIATED RESPONSES BY THE USE OF  
 THE MAJOR  
 8 HISTOCOMPATIBILITY COMPLEX CLASS II ANALOG PROTEIN (MAP PROTEIN) FROM  
 9 STAPHYLOCOCCUS AUREUS  
 11 <130> FILE REFERENCE: P07023US01/BAS  
 13 <140> CURRENT APPLICATION NUMBER: 10/041,775  
 14 <141> CURRENT FILING DATE: 2002-01-10  
 16 <150> PRIOR APPLICATION NUMBER: 60/260,523  
 17 <151> PRIOR FILING DATE: 2001-01-10  
 19 <160> NUMBER OF SEQ ID NOS: 4  
 21 <170> SOFTWARE: PatentIn version 3.1  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 603  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Staphylococcus aureus  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: CDS  
 30 <222> LOCATION: (1)..(603)  
 31 <223> OTHER INFORMATION:  
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 39 aca atc act gtg aat ggt aca agc caa aac att tta tca agc tta aca 96  
 40 Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr  
 41 20 25 30  
 43 ttt aat aag aat caa caa att agt tat aaa gat ata gag aat aaa gtt 144  
 44 Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val  
 45 35 40 45  
 47 aaa tca gtt tta tac ttt aat aga ggt att agt gat atc gat tta aga 192  
 48 Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg  
 49 50 55 60  
 51 ctt tct aag caa gca aaa tac acg gtt cat ttt aag aat gga aca aaa 240  
 52 Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys  
 53 65 70 75 80  
 55 aga gtt gtc gat ttg aaa gca ggc att cac aca gcc gac tta atc aat 288  
 56 Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn  
 57 85 90 95  
 59 aca agt gac att aaa gca att agt gtt aac gta gat act aaa aag caa 336  
 60 Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln  
 61 100 105 110

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63	gtg	aaa	gat	aaa	gag	gca	aaa	gca	aat	gtt	caa	gtg	ccg	tat	aca	atc	384		
64	Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Gln	Val	Pro	Tyr	Thr	Ile			
65																115	120	125	
67	act	gtg	aat	ggt	aca	agc	caa	aac	att	tta	tca	aac	tta	aca	ttt	aaa	432		
68	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Asn	Leu	Thr	Phe	Lys			
69																130	135	140	
71	aag	aat	cag	caa	att	agt	tat	aaa	gat	tta	gag	aat	aat	gta	aaa	tca	480		
72	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Leu	Glu	Asn	Asn	Val	Lys	Ser			
73																145	150	155	160
75	gtt	tta	aaa	tca	aac	aga	ggt	ata	act	gat	gta	gat	tta	aga	ctt	tca	528		
76	Val	Leu	Lys	Ser	Asn	Arg	Gly	Ile	Thr	Asp	Val	Asp	Leu	Arg	Leu	Ser			
77																165	170	175	
79	aaa	caa	gcg	aaa	ttt	aca	gtt	aat	ttt	aaa	aat	ggc	acg	aaa	aaa	gtt	576		
80	Lys	Gln	Ala	Lys	Phe	Thr	Val	Asn	Phe	Lys	Asn	Gly	Thr	Lys	Lys	Val			
81																180	185	190	
83	atc	gat	ttg	aaa	gca	ggc	att	tat	tga								603		
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112																65	70	75	80
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116																85	90	95	
119	Thr	Ser	Asp	Ile	Lys	Ala	Ile	Ser	Val	Asn	Val	Asp	Thr	Lys	Lys	Gln			
120																100	105	110	
123	Val	Lys	Asp	Lys	Glu	Ala	Lys	Ala	Asn	Val	Gln	Val	Pro	Tyr	Thr	Ile			
124																115	120	125	
127	Thr	Val	Asn	Gly	Thr	Ser	Gln	Asn	Ile	Leu	Ser	Asn	Leu	Thr	Phe	Lys			
128																130	135	140	
131	Lys	Asn	Gln	Gln	Ile	Ser	Tyr	Lys	Asp	Leu	Glu	Asn	Asn	Val	Lys	Ser			
132																145	150	155	160
135	Val	Leu	Lys	Ser	Asn	Arg	Gly	Ile	Thr	Asp	Val	Asp	Leu	Arg	Leu	Ser			
136																165	170	175	
139	Lys	Gln	Ala	Lys	Phe	Thr	Val	Asn	Phe	Lys	Asn	Gly	Thr	Lys	Lys	Val			
140																180	185	190	
143	Ile	Asp	Leu	Lys	Ala	Gly	Ile	Tyr											
144																195	200		

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149 <212> TYPE: DNA
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152 <220> FEATURE:
153 <221> NAME/KEY: CDS
154 <222> LOCATION: (1)..(396)
155 <223> OTHER INFORMATION:
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163 aca atc act gtg aat ggt aca agc caa aac att tta tca agc tta aca      96
164 Thr Ile Thr Val Asn Gly Thr Ser Gln Asn Ile Leu Ser Ser Leu Thr
165       20          25          30
167 ttt aat aag aat caa caa att agt tat aaa gat ata gag aat aaa gtt      144
168 Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val
169       35          40          45
171 aaa tca gtt tta tac ttt aat aga ggt att agt gat atc gat tta aga      192
172 Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg
173       50          55          60
175 ctt tct aag caa gca aaa tac acg gtt cat ttt aag aat gga aca aaa      240
176 Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys
177 65           70           75          80
179 aga gtt gtc gat ttg aaa gca ggc att cac aca gcc gac tta atc aat      288
180 Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn
181       85          90          95
183 aca agt gac att aaa gca att agt gtt aac gta gat act aaa aag caa      336
184 Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln
185       100         105         110
187 gtg aaa gat aaa gag gca aaa gca aat gtt gtc gac ctg cag cca agc      384
188 Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser
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197 <211> LENGTH: 131
198 <212> TYPE: PRT
199 <213> ORGANISM: Staphylococcus aureus
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208       20          25          30
211 Phe Asn Lys Asn Gln Gln Ile Ser Tyr Lys Asp Ile Glu Asn Lys Val
212       35          40          45
215 Lys Ser Val Leu Tyr Phe Asn Arg Gly Ile Ser Asp Ile Asp Leu Arg
216       50          55          60

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219 Leu Ser Lys Gln Ala Lys Tyr Thr Val His Phe Lys Asn Gly Thr Lys  
220 65 70 75 80  
223 Arg Val Val Asp Leu Lys Ala Gly Ile His Thr Ala Asp Leu Ile Asn  
224 85 90 95  
227 Thr Ser Asp Ile Lys Ala Ile Ser Val Asn Val Asp Thr Lys Lys Gln  
228 100 105 110  
231 Val Lys Asp Lys Glu Ala Lys Ala Asn Val Val Asp Leu Gln Pro Ser  
232 115 120 125  
235 Leu Ile Ser  
236 130

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/041,775

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